

CJIS Program Office Update

September 4, 2007

Volume I, Issue IV

Overview of this CJIS Program Office Update

The CJIS Program Office is pleased to issue another version of the CJIS Program Office Update in order to inform you of the significant level of activity that has occurred in furtherance of the CJIS effort over the past few weeks. Here is what we are covering in this edition of the newsletter:

- Update on CJIS Security/Encryption Implementation
- Update on Exchanges
- Preparing for the Future: Creating IEPDs and Schema for Next Round of Exchanges

Thanks again for all of your interest in this important initiative. We welcome any suggestions or ideas you might have to improve the process for future exchanges, as well as suggestions for content and information to include in this newsletter. Please contact Dave Meyers at the CJIS Program Office at david.meyers@iowa.gov.

Update on Security/Encryption Implementation

As we discussed in detail in the last version of the CJIS Program Office Update, the CJIS initiative is taking a proactive approach to ensuring information security when establishing information exchange between agencies. We are leveraging the best practices associated with the ESB architecture we have chosen, such as Web Services Security (WS-Security) protocols and encryption.

This is for two reasons; WS-Security and encryption are the industry best practices and the standard for Service Oriented Architecture (SOA) and also because the Department of Justice through Global and the Law Enforcement Information Sharing Project led by FBI CJIS endorse these standards.

To facilitate the implementation of these standards and this high level of information security and privacy on the Oracle ESB, the CJIS Advisory Committee on August 2nd, made the decision to purchase an appliance to enhance the capabilities of the CJIS service bus. The appliance – the IBM Websphere DataPower SOA Appliance – provides enhanced security and privacy protocols by providing a security enforcement layer for XML messages and web services transactions, including encryption, filtering, digital signatures, schema validation, WS-Security, XML access control, XPath, and detailed logging. The appliance includes easy-to-use XML Firewall, service-level management and access-control enforcement.

In addition, the appliance will speed the processing of the exchanges, utilize MTOM message capabilities for attachments, and eliminate the requirement for endpoint agencies to utilize a variety of cumbersome, custom coding. This is consistent with the CJIS Advisory Committee's desire to put the workload burden on the State and ease the workload for the endpoint agencies. The CJIS Program Office trusts that this will be evident to endpoint agencies as they

maximize the use of the appliance. The appliance has been delivered to and installed by ITE; they are currently resolving some last minute network issues and then the CJIS Program Office will begin testing its interaction with the ESB. We are hopeful to resume testing and implementation of exchanges using the ESB and the appliance in the next few weeks.

Update on Exchanges

As you are aware, the CJIS Program Office is working to stand up ten initial exchanges using the Oracle ESB and the IBM DataPower appliance as the primary tools for directing messages and applying business rules and security appropriate to the information exchange. The use of a service bus as well as the selection of these specific exchanges were articulated in the CJIS Strategic Plan, which was established in 2005 and may be found on the CJIS Program Office website at www.cjis.iowa.gov.

While our original deadline for implementation of these exchanges was August 1, 2007, the CJIS Program Office has extended that date to early September, in order to accommodate the development of security protocols outlined above.

Here is the current status of each exchange. They are presented in a revised order of implementation, which is based on endpoint implementation readiness:

- Victim/Offender. This exchange has been implemented, but needs to be retested once the security/encryption protocols on the ESB are ready.
- ECCO. Likewise, this exchange has been implemented, but needs to be retested once the security/encryption protocols on the ESB are ready.
- OWI Disposition. This exchange is very close to being finalized on a point-to-point basis. It will move to the ESB once the security/encryption protocols on the ESB are ready.
- Trial Information. The schema has been updated to reflect the business rules and is currently being tested and validated. This exchange will be implemented upon the completion of OWI Disposition.
- Complaint/OWI Complaint. The Complaint schema has been updated to reflect the business rules and is currently being tested and validated. The OWI Complaint has had changes to it and the CJIS Program Office plans to convene a web meeting in the next week to elicit buy off from endpoint agencies on this exchange. There are few technical differences between the Complaint and OWI Complaint and we are hopeful that both of these exchanges can be stood up at the same time.
- Arrest Warrant. The Department of Public Safety has entered into a contract with CPI to assist in the implementation of this exchange. The CJIS Program Office has begun working with CPI to begin in exchange.
- Protective Order. The Department of Public Safety has entered into a contract with CPI to assist in the implementation of this exchange. The CJIS Program Office has begun working with CPI to begin in exchange.
- PSI. Preparations for the PSI exchange are also moving forward. The CJIS Program Office and CISCO have worked together to make the MTOM standard for the transmission of attachments work with the Oracle ESB. We have regenerated the schema and will begin working with the endpoints, in this case DOC and the Judicial Branch, to facilitate MTOM with their existing case management systems.

- OWI Report. Since this was a new/additional exchange, the IEPDs, schema, and Use Cases are currently being developed.

Preparing for the Future: Creating IEPDs and Schema for Next Round of Exchanges

In addition to implementing the exchanges highlighted above, the CJIS Program Office is proactively planning and creating the artifacts for the next round of exchanges, which will be implemented later this year. Specifically, the CJIS Program Office has created validation groups to edit the schema, domain models, and use cases around the following exchanges:

- Notification of Initial Appearance
- "Hearing Order" (there will be one schema covering the following documents)
 - Order of Initial Appearance
 - Order Of Arraignment
 - Order Setting Pre-Trial and Trial
 - Order Setting Sentencing
- Order for PSI
- Disposition Report
- Protective Order
- Order to Transport
- Registered Victim Notification
- Sex Offender Address
- Mittimus
- Post Supervision Report
- Notice of Appeal
- CINA Petition
- Delinquency Petition
- Motion to Waive Jurisdiction
- Juvenile Court Services Referral
- Parole Order

Last week we convened groups to discuss several of the exchanges between County Attorneys and the Judicial Branch, and will begin planning a final meeting in early September to discuss the Corrections related documents from this list. If you are interested in participating in these discussions, please contact David Meyers at the CJIS Program Office.